

This Listing of Claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

1. (withdrawn): A process for supplying amino acids or their chemical derivatives in liquid form to ruminant livestock, the process comprising:
supplying a liquid;
supplying at least one amino acid;
producing a liquid mixture by mixing said liquid with said at least one amino acid; and
administering said liquid mixture to ruminant livestock in a controlled manner.
2. (withdrawn): The process according to claim 1, wherein said step of supplying a liquid further comprises supplying a liquid selected from the group consisting of drinking water, milk replacers and liquid feed.
3. (withdrawn): The process according to claim 1, wherein said at least one amino acid is selected from the group consisting of lysine, methionine, threonine and tryptophan.
4. (withdrawn): The process according to claim 1, wherein said at least one amino acid is supplied in liquid form.
5. (withdrawn): The process according to claim 4, wherein said at least one liquid amino acid is selected from the group consisting of lysine and methionine.

6. (withdrawn): The process according to claim 1, wherein said step of producing a mixture further comprises mixing said at least one amino acid in a dosage ranging from about 0.05% to about 0.5% based on the liquid supplied.

7. (withdrawn): The process according to claim 1, wherein said step of administering said mixture further comprises the following steps:

calculating the daily liquid consumption of the ruminant livestock;

calculating the amount of amino acid to be supplied to the ruminant livestock;

calculating the percentage of inclusion of each amino acid per liter of liquid based on the amino acid concentration; and

titering the system of administration.

8. (withdrawn): The process according to claim 7, wherein said daily liquid consumption calculation phase is performed using nutritional formulas.

9. (withdrawn): The process according to claim 7, wherein said daily liquid consumption calculation phase is performed using a measurement device.

10. (withdrawn): The process according to claim 9, wherein said measurement devices is a liter-counter.

11. (currently amended): A system for supplying amino acids or their chemical derivatives in liquid form to ruminant livestock, the system comprising:

a line for supplying a liquid;

at least one container containing at least one amino acid to be supplied;

at least one device for measuring the flow of liquid connected to said line;

at least one amino acid feeding device connected to said at least one container and to said liquid supply line; and

at least one pump for injecting said amino acids into said liquid to produce a liquid mixture, wherein said pump is connected to said line.

12. (original): The system of claim 11, wherein said pump is equipped with a gradient for regulating the flow in terms of the projected dosage for the livestock.

13. (original): The system of claim 12, wherein said pump is activated by said measurement device.

14. (original): The system of claim 11, further comprising at least one trough connected to said at least one pump.

15. (original): The system of claim 11, further comprising at least one one-way valve connected to said line.

16. (original): The system of claim 11, wherein said liquid is selected from the group consisting of drinking water, milk replacers and liquid feed.

17. (original): The system according to claim 11, wherein said measurement device is selected from the group consisting of a flowmeter and a liter-counter.

18. (original): The system according to claim 11, wherein said at least one amino acid is selected from the group consisting of lysine, methionine, threonine and tryptophan.

19. (original): The system according to claim 11, wherein said at least one amino acid is supplied in liquid form.

20. (original): The system according to claim 19, wherein said at least one liquid amino acid is selected from the group consisting of lysine and methionine.

21. (original): The system according to claim 11, further comprising a means of calculation for performing and controlling the phase of administering the liquid mixture.

22. (original): The system according to claim 11, wherein said at least one amino acid is supplied at a dosage ranging from about 0.05% to about 0.5% by volume of said liquid.